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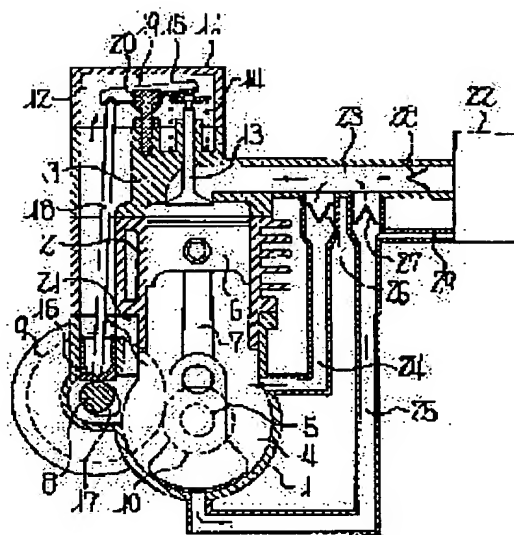
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(54) LUBRICATING DEVICE OF FOUR-CYCLE ENGINE

(57)Abstract:

PURPOSE: To eliminate the need for any oil pan by putting in/out air-fuel mixture including lubricating oil according to the reciprocating motion of a piston and lubricating respective parts in a crank chamber by means of lubricating oil included in air-fuel mixture.

CONSTITUTION: In a four-cycle engine provided with a crank chamber 4 wherein pressure is changed according to the reciprocating motion of a piston 6, an intake passage for supplying air-fuel mixture including lubricating oil into a cylinder 2 is provided, and a suction passage 24 and a returning passage 25 for connecting this intake passage 23 and the crank chamber 4 are provided. A first valve 26 for allowing only that air-fuel mixture flows into the crank chamber 4 from the intake passage 23 is provided in the suction passage 24, and a second valve 27 for allowing only that air-fuel mixture flows into the intake passage 23 from the crank chamber 4 is provided in the returning passage 25, moreover a third valve 23 for stopping the back flow of air-fuel mixture into a carburetor 22 from the intake passage 23 is provided in the intake passage 23.



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